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## **Croatia**

### **Oilseeds and Products**

### **Oilseeds and Products Annual Report**

**1998**

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#### **Report Highlights**

Although production has not reached pre-war production levels, oilseed production is expected to be considerably higher. This increase can be attributed to a government policy to support production. The amount of land dedicated to oilseeds has also increased. However, production has a low self-sufficiency rate resulting in steady growth of imports

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Includes PSD changes: Yes  
Includes Trade Matrix: Yes  
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## General Summary

The total area of agricultural land sown during Autumn 1997 and Spring 1998 in the Republic of Croatia accounted for 1,056,649 hectares, which is 1.57 % more compared to the previous production year. The structure of the sown area has changed in favor of industrial crops. The Government policy to support this production has resulted in a 87.7 % increase of sown area of all three main oilseed crops (sunflower, rapeseed and soybean) compared to the previous production year.

The yields of rapeseed and sunflowers were better than in 1996/97, but the yield of soybeans has slightly decreased. Compared to the period before 1990, decreasing yields per hectare show the influence of lower use of mineral fertilizers, due to their high prices.

According to the newest data and estimates from the National Bureau of Statistics, total oilseed production is expected to reach 168,000 metric tons, which is almost 95% higher than the previous year. However, the production will still not reach the pre-war 1987 year production of 184,500 mt.

The significant decline in oilseed production started in 1987 and reached a record low in 1996 with 77,000 mt. The only exception of this trend was 1993 when the production had increased 9.1% compared to the previous year.

This low level of oilseed production has resulted in a less than 50% self-sufficiency rate. Therefore, during this period there has been a steady growth of imports. Only since 1997 has the area sown to oilseeds started to increase, with current production thus achieving a higher-than-average growth indices.

## Production Policy

A floor protection price is prescribed by the Croatian Government to protect producer prices for key agricultural products. The protection prices are published in the Official Gazette each year before the sowing season. Accordingly, the State Directorate for Commodity Reserves is obliged to buy all crops offered by producers if the price on the market falls below the set floor protection price.

In order to stimulate and revitalize the production of oilseeds in the war affected areas, the prescribed floor prices are on average 40% higher than the prices of oilseeds on the world market.

The 1998 floor prices for rapeseed are set at 1.9 kuna/kg, compared to the previous year increase of 4.4% and at 2.06 kuna/kg for sunflower, which is an increase of 3%. The soybean prices remained at the 1997 level of 1.9 kuna/kg.

For 1999, the floor price for rapeseed has been set at 1.7 kuna/kg and for sunflowers and soybeans the protection prices are to be set sometime before the Spring sowing season. The decrease of the floor price is in line with the latter described new system of incentives, which will replace the existing system of floor price payment that is based on quantity produced.

Production of oilseeds is stimulated by the Law on Financial Incentives and Subsidies in Agriculture and Fisheries. Financial incentives for production of oilseeds have not changed in the last four years. Currently they are set at 0.41 kuna/kg for soybeans and sunflowers. The rapeseed producer incentive is set at 0.37 kuna/kg.

Additionally, the oilseed production is supported by input subsidies, which represent the difference between the producer and market prices. The producers of agricultural inputs receive the subsidy for the delivered quantities of certified seed to the end users. The seed producers are obliged to decrease their market prices for the subsidy, which amounts at 1.11 kuna/kg for a soybean seed unit, 2.59 kuna/kg for a rapeseed unit and 7.40 kuna/kg for a sunflower seed unit.

Since 1993, the Croatian Government has provided subsidies as producer credit for necessary inputs. In the case of oilseeds, inputs (fertilizer and fuel) were provided to processors and traders who made subcontracts with oilseed crop producers. Finally, the State Directorate for Commodity Reserves was reimbursed through an equivalent amount of oil with a price determined at sowing time.

According to the new Directorate for Stock Reserves Law, the "State Directorate" will no longer provide credits for Spring and Autumn sowing. This change has caused difficulties in the downstream sector, which until now had huge direct advantages from a previous model.

The new system of crediting, which started with the 1997 Autumn sowing season, requires greater involvement of the enterprises engaged in the production of agricultural inputs as well as the commercial banks.

Since the interest rates of commercial loans are relatively high, the Croatian Government has subsidised them. For the areas of "Special State Care" (war affected areas), the subsidies of interest rates are total (0% interest), and in other parts of Croatia the interest rate was subsidised only for the industrial crops in the range from 6.1%-15% yearly.

Anticipating the need for stronger integration of the Croatian market into international surroundings, a new "System of Incentives in Agriculture" has recently been developed.

The basic elements of this proposed system which will effect the oilseed sector are:

- (a) Introduction of the payments to producers according to limited production areas (instead of turned in produced quantities); and
- (b) decrease of the guaranteed prices for oilseeds, which are closer to the level of the world prices.

This new model still has to pass through the Croatian Parliament by the end of 1998, and will be applied in 1999.

This new concept is expected to create a faster structural adaptation within the sector, as well as increase competitiveness as a result of the stronger integration of the Croatian market into the world economy.

## **Oil Crops Production**

The most important oil crops are sunflowers and soybeans. Their average share in total oilseed production in the 1989-1998 period amounted to 79%.

### Soybeans

In the structure of total area under oilseeds, the average share of soybeans during the 1989-1998 period amounted to 42.2 %.

The 1998 area planted to soybeans (more than 34,200 ha) is an increase of 53.2% compared to the 1988-1997 period average, and 113.1% with reference to 1997. In 1998, almost 80,000 metric tons of soybeans were produced. This represents the largest annual harvest to date.

However, although the capacities for processing are more than sufficient, prior to the 1998 soybean harvest the protection prices were set higher than the world prices. As a result, processors of the soybeans had no interest to buy domestic soybeans at higher prices and the Croatian Government had to intervene by introducing an import customs duty of 0.7 Kn on October 22, 1998.

Yields in 1998 averaged 2.34 tons/ha and are slightly higher than the last ten years' average of 2.28 tons/ha. The tendency of declining yields, especially since the outbreak of the war in 1991, are a result of the lower level of technology applied (fertilizer, herbicides, pesticides, etc.). Extremely low yields (1.5 mt/ha) were recorded in 1996, due to unfavorable weather conditions.

Most of the Croatian soybean harvest is not used for oil processing, but for livestock feed. This stems from the fact that the only processing factory in Croatia is located in Zadar on the Adriatic Coast, which is quite far away from Slavonia, the main production area.

### Sunflowers

In the structure of area planted to oilseeds, the sunflower average share in the 1989-1998 period amounted to 37.0 %.

In 1998, more than 28,800 ha of sunflowers were planted, which is a 47.4 % increase compared to the 1988-1997 average, and 70.2% regarding 1997.

Yields of 2.31 mt/ha are 7% higher than last ten years' average (2.16%). Otherwise, Croatia has comparative advantages regarding sunflower production since these are higher yields than achieved in most European countries.

### Rapeseed

In the structure of area planted to oilseeds, the rapeseed average share in the 1989-1998 period amounts to 20.8 %.

In 1998, about 8,900 ha were planted under rapeseed, which is a 18.4 % decrease compared to the 1988-1997 average, but is 70.2% greater than in 1997. It is important to stress that there was a strong trend towards reduction of the area devoted to rapeseed. Compared to the 1978-1987 average, there is almost a 50% drop, although rapeseed is an ideal crop for breaking up the prevailing maize-wheat crop rotation while giving stable and certain harvests.

Yields during the last two decades rarely fell below an average of 2 mt/ha, even in extreme years and on poor soils. The only exception and example of dramatically low yields was 1996 when the average yields were 1.52 mt/ha. The 1998 yields are about 2.5 mt/ha, which is considered to be satisfactory.

The above mentioned declining trend of rapeseed production was stopped this year with 22,000 tons produced. This is 96% more than last year.

Since only winter varieties of rapeseed are grown, which are sown at the end of August, the preliminary data for 1998 rapeseed area indicated 10,270 hectares. Based on the assumption that the 1999 average yield will be about 2.3 mt/ha, it can be estimated that the 1999 production will be about 23,600 tons.

## **Oilseeds Processing**

The Republic of Croatia has two extraction and refining plants for oilseeds (Zagreb-"Zvijezda" and Osijek-"Cepin"), as well as one soybean processing facility located in Zadar. The total number of employees in the oil industry amounts to 1,120 people.

The "Zadar Soybean Plant" was designed to satisfy the needs of the ex-Yugoslav market. The crushing plant in the port of Zadar is capable of producing more than 200,000 mt of soybean meal yearly. It is designed mainly to process imported soybeans and assumes good transportation facilities to consumers of crude oil and of soybean meal. Currently, the processing of domestic soybeans has the burden of transportation costs from Slavonia in eastern Croatia to Zadar and back. As a result of the above given circumstances, the Zadar soybean crushing plant operates with 50-60% of its capacities.

The Croatian raw oil production is estimated to be about 72,000 mt, which is mainly accounted by the factories in Zagreb and Osijek.

## **Oilseeds Consumption**

Since 1990, the official statistics did not record any consumption data and the new methodology in line with international standards is in the process of developing.

The estimates show that to cover the domestic consumption of edible oils and fats in Croatia, approximately 60,000 mt of crude vegetable oil is processed annually. 60% is for human consumption and 40% for industrial use. Considering the oilseed production in 1998, some 41,000 mt of crude oil will be used from domestic sources and the remaining 19,000 mt will have to be imported.

Of the crude oil produced from domestic oilseeds, 26,000 mt is sunflower oil and 7,800 mt is produced from rapeseed. From the Croatian soybean harvest, 50% will be processed into crude oil (7,200 mt) while the rest will be used for livestock feed.

The policy of the Croatian Government is to increase the area planted to oilseeds with the goal to reach self sufficiency in crude oil production.

A large part of oilseeds are used in the production of oilseed meals. The average annual production of oilseed meal is about 150,000 mt. In accordance with the Government policy, which is aimed at increasing the livestock herd, consumption of feed is expected to continuously grow.

## Trade and Marketing

Croatia is a net importer of oilseeds and oil products. In 1997, total oilseed imports were estimated at 95,000 mt which were mostly soybeans imported by the soybean processing plant in Zadar. The major suppliers of soybeans in 1997 were Brazil (48,000 mt) and the U.S. (35,800 mt). During the first nine months of 1998, 96,800 mt of soybeans were imported, mainly from the U.S. (56,800 mt) and Brazil (35,000 mt). All imported quantities are used for production of soybean meal.

Almost all imports of fishmeal in 1997 on the Croatian market (17,000 mt) originated from imports, with Peru being the dominant supplier with 16,700 mt. In the period of the first nine months of 1998, 10,000 mt was imported while almost 7,000 mt was from Peru.

In 1996, Croatia imported 4,000 mt of vegetable oil from the U.S. under the GSM-102 program.

To date in 1998, 37,500 mt of vegetable oils were imported in Croatia of which the majority is raw sunflower oil mostly imported from Argentina (15,000 mt).

## Trade Policy

Oilseed producers and processors are protected by customs duties on oilseeds and vegetable oils (Table 1). There are no import quotas. Processed oils, both crude and refined rather than oilseeds, receive the highest levels of protection. There are no export subsidies.

**Table 1: Customs duties on oilseeds and oilseed products imported to Croatia**

Heading No	Subhead.No	Description	Ad valorem customs duty (as noted in previous report) %	Ad valorem customs duty (November 1998) %	Duty amount in kunas in accordance with the unit of quantity (kg) (Previous report data)	Duty amount in kunas in accordance with the unit of quantity (kg) (November 1998)
12.01	1201.00 1201.001 1201.009	Soybeans, whether or not broken --- for sowing ---Other	5 5	5 5	- -	- -
12.05	1205.00 1205.001 1205.009	Rape or colza seeds, whether or not broken. --- for sowing --- other	5 15	5 15	0.00 0.30	0.00 0.30
12.06	1206.00 1206.001 1206.009	Sunflower seeds, whether or not broken. --- for sowing --- other	5 15	5 15	0.00 0.30	0.00 0.30
1208.10		Flours and meals of oil seeds or oleaginous fruits, other than those of mustard - of soybeans - Other	10 10	10 10	- -	- -
15.07 1507.10	1507.90 1507.901 1507.909	Soybean oil and it's fractions, whether or not refined, but not chemically modified. -Crude oil, degummed or not  -Other --- refined, in containers holding 25 l or less --- other	20 20 20	20 20 20	0.60 4.30 4.00	0.60 3.70 3.45
15.12	1512.1 1512.11 1512.19	Sunflowerseed, safflower or cottonseed oil and fractions thereof, whether or not refined, but not chemically modified. -Sunflower-seed or safflower oil and fractions thereof : --Crude oil --Other	20 20	20 20	0.60 -	0.60 -

Heading No	Subhead.No	Description	Ad valorem customs duty (as noted in previous report) %	Ad valorem customs duty (November 1998) %	Duty amount in kunas in accordance with the unit of quantity (kg) (Previous report data)	Duty amount in kunas in accordance with the unit of quantity (kg) (November 1998)
	1512.191	--- refined, in containers holding 25 l or less	20	20	4.30	3.70
	1512.199	--- other	20	20	4.00	3.45
15.14		Rape, colza or mustard oil and fractions thereof, whether or not refined, but not chemically modified.				
	1514.10	-Crude oil				
	1514.101	--- of rape or colza	20	20	0.60	0.60
	1514.102	--- of mustard	20	20	0.60	0.60
	1514.90	-Other				
	1514.901	--- of rape or colza:				
	1514.9011	---- refined, in containers holding 25 l or less	20	20	4.30	3.70
	1514.9019	---- other	20	20	4.00	3.45
	1514.909	--- of mustard:				
	1514.9091	---- refined, in containers holding 25 l or less	20	20	4.30	3.70
	1514.9099	---- other	20	20	4.00	3.45
23.04	2304.00	Oil-cake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of soybean oil.	5	5	0.00	0.70
23.06		Oil-cake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of vegetable fats or oils, other than those of heading No. 23.04 or 23.05.				
	2306.10	- Of cotton seeds	10	10		
	2306.20	- of linseed	10	10		
	2306.30	-Of sunflower seeds	15	15	0.75	0.75
	2306.40	-Of rape or colza seeds	15	15	0.75	0.75
	2306.50	- Of coconut or copra	10	10		
	2306.60	- Of Palm nuts or kernels	10	10		
	2306.70	- Of Maize germ	10	10		
	2306.90	-Other	15	15	0.75	0.75

Exchange rate: 6.00 Croatian kuna = \$1.00

PSD Table						
Country:	Croatia	ERR				
Commodity:	Soybean					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Area Planted	0	0	0	0	0	0
Area Harvested	0	16	20	16	0	34
Beginning Stocks	0	0	0	0	0	0
Production	0	36	46	39	0	80
MY Imports	0	32	90	88	0	97
MY Imp. from U.S.	0	0	0	36	0	57
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	0	68	136	127	0	177
MY Exports	0	3	0	0	0	0
MY Exp. to the EC	0	0	0	0	0	0
Crush Dom. Consumption	0	65	136	127	0	177
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	0	65	136	127	0	177
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	0	68	136	127	0	177
Calendar Year Imports	0	32	0	88	0	0
Calendar Yr Imp. U.S.	0	0	0	36	0	0
Calendar Year Exports	0	0	0	0	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oilseed, Soybean Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....	0	-U.S. ....	35846
-Other		- Other	
		Brazil	48284
Total of others	0	Total of others	48284
Others not listed	1826	Others not listed	3960
Grand total	1826	Grand total	88090

## Croatia ERR

PSD Table						
Country:	Croatia	ERR				
Commodity:	Sunflowerseed					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Area Planted	0	0	0	0	0	0
Area Harvested	0	19	20	17	0	29
Beginning Stocks	0	0	0	0	11	0
Production	0	29	50	36	0	67
MY Imports	0	2	0	14	0	5
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	0	31	50	50	11	72
MY Exports	0	3	4	4	0	0
MY Exp. to the EC	0	0	0	0	0	0
Crush Dom. Consumption	0	28	35	46	0	62
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	0	28	35	46	0	62
Ending Stocks	0	0	11	0	0	10
TOTAL DISTRIBUTION	0	31	50	50	0	72
Calendar Year Imports	0	2	0	14	0	5
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	3	0	4	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oilseed, Sunflowerseed Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....		-U.S. ....	
-Other		- Other	
Hungary	5596	Russia	9593
		Hungary	2688
Total of others		Total of others	12281
Others not listed	737	Others not listed	1295
Grand total	6333	Grand total	13576

PSD Table						
Country:	Croatia	ERR				
Commodity:	Rapeseed					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Area Planted	0	0	0	0	0	0
Area Harvested	8	8	8	5	0	9
Beginning Stocks	0	0	0	0	0	0
Production	12	12	18	11	0	22
MY Imports	0	0	0	0	0	0
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	12	12	18	11	0	22
MY Exports	3	3	3	3	0	8
MY Exp. to the EC	0	0	0	0	0	0
Crush Dom. Consumption	9	9	15	8	0	14
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	9	9	15	8	0	14
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	12	12	18	11	0	22
Calendar Year Imports	0	0	0	0	0	0
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	3	0	5	0	8
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oilseed, Rapeseed Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....	0	-U.S. ....	0
-Other		- Other	
	Hungary 4910		Hungary 1101
Total of others	4910	Total of others	1101
Others not listed	0	Others not listed	153
Grand total	4910	Grand total	1254

## Global Economic Data Exchange System

Commodity: Total Oilseeds (2230000) (1000 HA) (1000 TREES) (K MT)

Beg. Month/Year of Marketing Year: 00 / 95 00 / 96 00 / 97 00/98

CROATIA	Revised 1995		Revised 1996		Prelim 1997		Forecast 1998	
	Old	New	Old	New	Old	New	Old	New
Area planted	0	0	0	0	0	0	0	0
Area harvested	0	45	8	43	48	38	0	72
Beginning Stocks	0	0	0	0	0	0	0	0
Production	0	95	12	77	114	86	0	169
MY Imports	0	90	0	92	90	90	0	102
MY Imports from U.S.	0	0	0	0	0	0	0	57
MY Imports from the EC	0	0	0	0	0	0	0	0
TOTAL SUPPLY	0	185	12	169	204	176	0	271
MY Exports	0	12	3	6	7	7	0	8
MY Exports to the EC	0	0	0	0	0	0	0	0
Crush Dom. Consumption	0	173	9	163	197	169	0	263
Food Use Dom. Consumption	0	0	0	0	0	0	0	0
Feed, Seed, Waste Dom. Consumption	0	0	0	0	0	0	0	0
TOTAL Dom. Consumption	0	173	9	163	186	169	0	253
Ending Stocks	0	0	0	0	11	0	0	10
TOTAL DISTRIBUTION	0	185	12	169	204	176	0	271
Calendar Year Imports	0	0	0	0	0	0	0	0
Calendar Year Imports U.S.	0	0	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0	0	0
Calendar Year Exports to U.S.	0	0	0	0	0	0	0	0

PSD Table						
Country: Croatia	ERR					
Commodity: Meal, Soybean						
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	0	65	136	127	0	177
Extr. Rate	ERR	0.8461538	0.7941176	0.8582677	ERR	0.8305085
Beginning Stocks	0	0	0	0	0	0
Production	100	55	108	109	0	147
MY Imports	29	29	30	49	0	52
MY Imp. from U.S.	0	0	0	5	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	129	84	138	158	0	199
MY Exports	2	2	3	18	0	27
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	0	0	0	0	0
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	127	82	135	140	0	172
Total Dom. Consumption	127	82	135	140	0	172
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	129	84	138	158	0	199
Calendar Year Imports	0	29	0	49	0	0
Calendar Yr Imp. U.S.	0	1	0	5	0	0
Calendar Year Exports	0	0	0	0	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Meal, Soybean

Units: metric tons

Exports for 1996 to:			Imports for 1996 from:		
-U.S. ....			-U.S. ....		800
-Other			- Other		
	Slovenia	2000	Brazil		18000
			Argentina		9000
Total of others		2000	Total of others		27000
Others not listed			Others not listed		1200
Grand total		2000	Grand total		29000

## Trade Matrix

Meal, Soybean

Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....		-U.S. ....	5207
-Other		- Other	
Slovenia	14503	Brazil	36201
Bosnia and Herzegovina	3515	Argentina	7055
Total of others	18018	Total of others	43256
Others not listed	26	Others not listed	631
Grand total	18044	Grand total	49094

PSD Table						
Country: Croatia						
Commodity: Meal, Sunflower						
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	0	28	35	46	0	62
Extr. Rate	ERR	0.5357143	0.5714286	0.4347826	ERR	0.5483871
Beginning Stocks	0	0	0	0	0	0
Production	15	15	20	20	0	34
MY Imports	2	2	2	3	0	1
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	17	17	22	23	0	35
MY Exports	2	0	2	1	0	2
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	0	0	0	0	0
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	15	17	20	22	0	33
Total Dom. Consumption	15	17	20	22	0	33
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	17	17	22	23	0	35
Calendar Year Imports	0	2	0	3	0	1
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	0	0	1	0	2
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Meal, Sunflowerseed      Units: metric tons

Exports for 1996 to:		Imports for 1996 from:	
-U.S. ....		-U.S. ....	
-Other		-	
		Other	
		Hungary	1500
Total of others		Total of others	1500
Others not listed	207	Others not listed	
Grand total	207	Grand total	1500

## Trade Matrix

Meal, Sunflowerseed      Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....		-U.S. ....	
-Other		-	
		Other	
Slovenia	1073	Hungary	2219
Total of others		Total of others	
Others not listed	260	Others not listed	676
Grand total	1333	Grand total	2895

PSD Table						
Country: Croatia						
Commodity: Meal, Rapeseed						
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	9	9	15	8	0	14
Extr. Rate	0.5555556	0.5555556	0.5333333	0.5	ERR	0.4285714
Beginning Stocks	0	0	0	0	0	0
Production	5	5	8	4	0	6
MY Imports	4	5	0	3	0	2
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	9	10	8	7	0	8
MY Exports	0	4	0	1	0	0
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	0	0	0	0	0
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	9	6	8	6	0	8
Total Dom. Consumption	9	6	8	6	0	8
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	9	10	8	7	0	8
Calendar Year Imports	0	5	0	3	0	2
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	4	0	1	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Meal, Rapeseed Units: metric tons

Exports for 1996 to:		Imports for 1996 from:	
-U.S. ....		-U.S. ....	
-Other		-	
Germany	2300	Hungary	4500
Slovenia	1000		
Total of others	3300	Total of others	4500
Others not listed	1100	Others not listed	
Grand total	4400	Grand total	4500

## Trade Matrix

Meal, Rapeseed

Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....		-U.S. ....	
-Other		-	
Austria	249	Other	
Slovenia	274	Hungary	2903
Total of others	523	Total of others	2903
Others not listed		Others not listed	
Grand total	523	Grand total	2903

PSD Table						
Country:	Croatia	ERR				
Commodity:	Fish Oil and Meal					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Catch for Reduction	0	0	0	0	0	0
Extr. Rate, 999.9999	ERR	ERR	ERR	ERR	ERR	ERR
Beginning Stocks	0	0	0	0	0	0
Production	1	1	1	1	0	1
MY Imports	13	13	14	17	0	15
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	14	14	15	18	0	16
MY Exports	0	0	0	0	0	0
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	14	14	15	18	0	16
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	14	14	15	18	0	16
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	14	14	15	18	0	16
Calendar Year Imports	0	13	0	17	0	15
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Meal, Fish Units: metric tons

Exports for 1996 to:	Imports for 1996 from:
-U.S. ....	-U.S. ....
-Other	- Other
	Peru 13000
Total of others	Total of others 13000
Others not listed	Others not listed 300
Grand total 0	Grand total 13300

## Trade Matrix

Meal, Fish Units: metric tons

Exports for 1997 to:	Imports for 1997 from:
-U.S. ....	-U.S. ....
-Other	- Other
Bosnia and Herzegovina 13	Peru 16778
Total of others	Total of others
Others not listed	Others not listed 632
Grand total 13	Grand total 17410

## Global Economic Data Exchange System

Commodity: Total Oilmeals (0810000) (1000 METRIC TONS)

Beg. Month/Year of Marketing Year:

00 / 95      00 / 96      00 / 97      00/98

CROATIA	Revised 1995		Revised 1996		Prelim 1997		Forecast 1998	
	Old	New	Old	New	Old	New	Old	New
Crush	0	173	163	163	186	169	0	253
Extr. Rate, 999.9999	0	6879	0	7423	7366	7929	0	7431
Beginning Stocks	0	0	0	0	0	0	0	0
Production	0	119	121	121	137	134	0	188
MY Imports	0	53	48	49	46	72	0	70
MY Imports from U.S.	0	0	0	0	0	0	0	0
MY Imports from the EC	0	0	0	0	0	0	0	0
<b>TOTAL SUPPLY</b>	<b>0</b>	<b>172</b>	<b>169</b>	<b>170</b>	<b>183</b>	<b>206</b>	<b>0</b>	<b>258</b>
MY Exports	0	0	4	6	5	20	0	29
MY Exports to the EC	0	0	0	0	0	0	0	0
Industrial Dom. Consumption	0	15	14	14	15	18	0	16
Food Use Dom Consumption	0	0	0	0	0	0	0	0
Feed Waste Dom. Consumption	0	157	151	150	163	168	0	213
<b>TOTAL Dom. Consumption</b>	<b>0</b>	<b>172</b>	<b>165</b>	<b>164</b>	<b>178</b>	<b>186</b>	<b>0</b>	<b>229</b>
Ending Stocks	0	0	0	0	0	0	0	0
<b>TOTAL DISTRIBUTION</b>	<b>0</b>	<b>172</b>	<b>169</b>	<b>170</b>	<b>183</b>	<b>206</b>	<b>0</b>	<b>258</b>
Calendar Year Imports	0	0	0	0	0	0	0	0
Calendar Year Imports U.S.	0	0	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0	0	0
Calendar Year Exports to U.S.	0	0	0	0	0	0	0	0

PSD Table						
Country:	Croatia					
Commodity:	Oil, Soybean					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	0	65	136	127	0	177
Extr. Rate	ERR	0.1692308	0.1691176	0.1732283	ERR	0.1638418
Beginning Stocks	0	0	0	0	0	0
Production	0	11	23	22	0	29
MY Imports	0	11	4	4	0	2
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	0	22	27	26	0	31
MY Exports	0	0	0	0	0	0
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	12	20	20	0	27
Food Use Dom. Consump.	0	10	7	6	0	4
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	0	22	27	26	0	31
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	0	22	27	26	0	31
Calendar Year Imports	0	0	0	0	0	0
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oil, Soybean Units: metric tons

Exports for 1995 to:		Imports for 1995 from:	
-U.S. ....		-U.S. ....	
-Other		- Other	
Bosnia- Herzegovina	263	Slovenia	825
		Italy	349
		Germany	211
Total of others	263	Total of others	1385
Others not listed		Others not listed	
Grand total	263	Grand total	1385

Oil, Soybean

Units: metric tons

Exports for 1996 to:	Imports for 1996 from:
-U.S. ....	-U.S. ....
-Other	- Other
	Germany 1782
	Italy 1748
	Romania 871
Total of others	Total of others 4311
Others not listed	Others not listed
Grand total 0	Grand total 4311

## Trade Matrix

Oil, Soybean

Units: metric tons

Exports for 1997 to:	Imports for 1997 from:
-U.S. ....	-U.S. ....
-Other	- Other
Turkey 1002	Slovenia 1195
	Netherlands 1113
Total of others 1002	Total of others 2308
Others not listed 1823	Others not listed 517
Grand total 2825	Grand total 2825

PSD Table						
Country:	Croatia					
Commodity:	Oil, Sunflowerseed					
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	0	28	35	46	0	62
Extr. Rate	ERR	0.4642857	0.4571429	0.3913043	ERR	0.3709677
Beginning Stocks	0	3	0	4	4	0
Production	0	13	16	18	0	23
MY Imports	0	20	20	11	0	22
MY Imp. from U.S.	0	0	4	4	0	0
MY Imp. from the EC	0	0	4	4	0	1
TOTAL SUPPLY	0	36	36	33	4	45
MY Exports	0	4	4	8	0	5
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	0	0	0	0	0
Food Use Dom. Consump.	0	28	32	25	0	33
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	0	28	32	25	0	33
Ending Stocks	0	4	4	0	0	7
TOTAL DISTRIBUTION	0	36	40	33	0	45
Calendar Year Imports	0	20	0	11	0	0
Calendar Yr Imp. U.S.	0	4	0	4	0	0
Calendar Year Exports	0	4	0	8	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oil, Sunflowerseed Units: metric tons

Exports for 1995 to:		Imports for 1995 from:	
-U.S. ....		-U.S. ....	2390
-Other		- Other	
Bosnia and Herzegovina	1605	Argentina	4163
Hungary	169	Ukraine	2104
Russia	4	Austria	983
		Slovenia	573
		Germany	148
		Hungary	1045
		FYR Macedonia	24
		France	22
Total of others	1778	Total of others	9062
Others not listed		Others not listed	
Grand total	1778	Grand total	11452

## Trade Matrix

Oil, Sunflowerseed Units: metric tons

Exports for 1996 to:		Imports for 1996 from:	
-U.S. ....		-U.S. ....	4330
-Other		- Other	
Bosnia-Herzegovina	2911	Hungary	8256
Slovenia	1048	Romania	5716
		France	1750
Total of others	3959	Total of others	15722
Others not listed		Others not listed	4330
Grand total	3959	Grand total	20052

## Trade Matrix

Oil, Sunflowerseed Units: metric tons

Exports for 1997 to:		Imports for 1997 from:	
-U.S. ....		-U.S. ....	
-Other		-Other	
Hungary	2452	Hungary	8421
Slovenia	3397	Slovenia	1221
Bosnia and Herzegovina	1749	Austria	774
		Romania	500
Total of others	7598	Total of others	10916
Others not listed	3	Others not listed	257
Grand total	7601	Grand total	11173

PSD Table						
Country:	ERR					
Commodity:						
		1996		1997		1998
	Old	New	Old	New	Old	New
Market Year Begin		01/1996		01/1997		01/1998
Crush	9	9	15	8	0	14
Extr. Rate	0	0.3333333	0.3333333	0.375	ERR	0.2857143
Beginning Stocks	0	0	0	0	0	0
Production	0	3	5	3	0	4
MY Imports	0	1	1	2	0	1
MY Imp. from U.S.	0	0	0	0	0	0
MY Imp. from the EC	0	0	0	0	0	0
TOTAL SUPPLY	0	4	6	5	0	5
MY Exports	0	0	0	0	0	1
MY Exp. to the EC	0	0	0	0	0	0
Industrial Dom. Consum	0	4	6	5	0	4
Food Use Dom. Consump.	0	0	0	0	0	0
Feed Waste Dom. Consum.	0	0	0	0	0	0
Total Dom. Consumption	0	4	6	5	0	4
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	0	4	6	5	0	5
Calendar Year Imports	0	0	0	0	0	0
Calendar Yr Imp. U.S.	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0
Calndr Yr Exp. to U.S.	0	0	0	0	0	0

## Trade Matrix

Oil, Rapeseed

Units: metric tons

Exports for 1995 to:		Imports for 1995 from:	
-U.S. ....		-U.S. ....	
-Other		- Other	
Switzerland	4022	Hungary	2772
Bosnia and Herzegovina	29	Italy	171
		Holland	117
Total of others	4051	Total of others	3060
Others not listed		Others not listed	
Grand total	4051	Grand total	3060

## Trade Matrix

Oil, Rapeseed

Units: metric tons

Exports for 1996 to:	Imports for 1996 from:
-U.S. ....	-U.S. ....
-Other	- Other
	Hungary 1330
Total of others	Total of others 1330
Others not listed	Others not listed
Grand total	Grand total 1330

## Trade Matrix

Oil, Rapeseed

Units: metric tons

Exports for 1997 to:	Imports for 1997 from:
-U.S. ....	-U.S. ....
-Other	- Other
Bosnia and Herzegovina 3	Hungary 1829
Total of others 3	Total of others
Others not listed	Others not listed 11
Grand total 3	Grand total 1840

## Global Economic Data Exchange System

Commodity: Total Oils (4240000) (1000 METRIC TONS)

Beg. Month/Year of Marketing Year: 00 / 95 00 / 96 00 / 97 00/98

CROATIA	Revised 1995		Revised 1996		Prelim 1997		Forecast 1998	
	Old	New	Old	New	Old	New	Old	New
Crush	0	173	0	163	186	169	0	253
Extr.rate, 999.9999	0	2370	0	2270	2366	2544	0	2213
Beginning Stocks	0	5	0	3	4	4	0	0
Production	0	41	0	37	44	43	0	56
MY Imports	0	15	0	32	25	17	0	25
MY Imports from U.S.	0	2	0	0	4	4	0	0
MY Imports from the EC	0	0	0	0	4	4	0	1
<b>TOTAL SUPPLY</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>72</b>	<b>73</b>	<b>64</b>	<b>0</b>	<b>81</b>
MY Exports	0	6	0	4	4	8	0	11
MY Exports to the EC	0	0	0	0	0	0	0	0
Industrial Dom. Consumption	0	27	0	26	26	25	0	24
Food Use Dom. Consumption	0	25	0	38	39	31	0	37
Feed Waste Dom. Consumption	0	0	0	0	0	0	0	0
<b>TOTAL Dom. Consumption</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>64</b>	<b>65</b>	<b>56</b>	<b>0</b>	<b>63</b>
Ending Stocks	0	3	0	4	4	0	0	7
<b>TOTAL DISTRIBUTION</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>72</b>	<b>73</b>	<b>64</b>	<b>0</b>	<b>81</b>
Calendar Year Imports	0	0	0	0	0	0	0	0
Calendar Year Imports U.S.	0	0	0	0	0	0	0	0
Calendar Year Exports	0	0	0	0	0	0	0	0
Calendar Year Exports to U.S.	0	0	0	0	0	0	0	0

END OF REPORT